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Final Report for NASA grant NAGW4926  
"Internet Access to ISEE-1 and 2 Magnetometer Data"  
5/23/97

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With the support of this grant we placed the entire ISEE-1 and -2 magnetometer data on-line, using an 8 Gbyte disk drive purchased for this purpose. The data are stored at 4-s and 60-s resolution. These data can be accessed via "anonymous ftp" from the Institute of Geophysics and Planetary Physics Space Science Center computers, thus:

```
$> ftp terra.igpp.ucla.edu
Name: anonymous
Password: <your e-mail address>
ftp> cd pub/data/isee
ftp> ls
```

will list the contents of this directory  
(\$> is host system prompt, ftp> is the ftp server prompt).

```
ftp> cd isee1.4s
ftp> binary
ftp> mget isee1.4s_0001-0050.*
```

will get the data file pair: isee1.4s\_0001-0050.ffd, isee1.4s\_0001-0050.ffh

In addition, we have developed an interactive world-wide-web page (URL <http://www-ssc.igpp.ucla.edu/forms/isee>) which allows individuals to plot, on request, any interval for which magnetometer data are available. This page also allows users to convert the data to "ASCII" format, which can be downloaded to the users home computer. Because ascii files tend to be large, this interface is expected to be used for short data intervals, whereas the ftp site is designed for users who desire many days of data at a time.

Attached to this report are print outs from the world-wide-web page, including a plot of data requested, as well as some information from the ftp server (which can also be accessed via the world-wide-web).

The world-wide-web pages are continually maintained in response to user feedback.

File	Edit	View	Go	Bookmarks	Options	Directory	Window	Help
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Back	Forward	Home	Edit	Reload	Load Images	Open...	Print...	Find...	Stop
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Netsite:

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What's New?	What's Cool?	Destinations	Net Search	People	Software
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## ISEE Magnetometer Data Server

This page provides access to the magnetometer data for the ISEE-1 and -2 spacecraft. Data are available for the entire mission (October 22, 1977 through September 25, 1987), with 60-s and 4-s resolution. The data can be either displayed as a plot or listed as an ASCII file.

The ISEE-1 and -2 magnetometers are described in detail in the paper  
"The ISEE 1 and 2 Fluxgate Magnetometers"  
 by C. T. Russell (IEEE Trans. Geoscience Electronics, GE-16, 239-242, 1978)

If you want large quantities of data, an ftp server is available.

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### Plot/Listing request:

Please enter time in the fields below as in the example formats shown.

Start time:  (The format is YR MON DY HH:MN:SC, e.g. 77 dec 15 01:00:00)

Stop time:  (The format is YR MON DY HH:MN:SC, e.g. 77 dec 15 02:00:00)

*Note: It is recommended that you request intervals of less than 1 day for 60-s data or 2 hours for 4-s data. However, you may request up to a maximum of 4 days for 60-s data or 12 hours for 4-s data. Please be aware requests over the recommended intervals will take longer due to the load on our server, especially during the peak hours between 9 am and 5 pm PST.*

Spacecraft:    ☒ ISEE-1    ☐ ISEE-2

Resolution:    ☒ 60-s    ☐ 4-s

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Figure 1. The ISEE magnetometer data server world-wide-web page.



File	Edit	View	Go	Bookmarks	Options	Directory	Window	Help	
Back	Forward	Home	Edit	Reload	Load Images	Open...	Print...	Find...	Stop
Netsite: <input type="text" value="http://www-ssc.igpp.ucla.edu/forms/isee/"/>									
What's New?	What's Cool?	Destinations	Net Search	People	Software				

*Note: The ancillary data quantity is only available if the selected coordinate system is also shown in parenthesis*

4-s

Data in spacecraft coordinates only

Plot or ASCII: ☒ Plot ☐ ASCII

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We would appreciate an acknowledgement of any use of these data.

Christopher T. Russell is the Principal Investigator for the ISEE-1 and -2 magnetometers.


Robert J. Strangeway provided on-line access to the magnetometer data through the IGPP/UCLA Space Science Center with the aid of a grant from the NASA/Space Physics Data System. Any comments or questions concerning the data should be addressed to him, e-mail [strange@igpp.ucla.edu](mailto:strange@igpp.ucla.edu).

Sophie Wong implemented the web interface. Questions or problems concerning the interface should be addressed to her, e-mail [swong@igpp.ucla.edu](mailto:swong@igpp.ucla.edu).

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Last Modified: May 21, 1997

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Figure 1 cont.

File Edit View Go Bookmarks Options Directory Window

Help

Back Forward Home Edit Reload Load Images Open... Print... Find... Stop

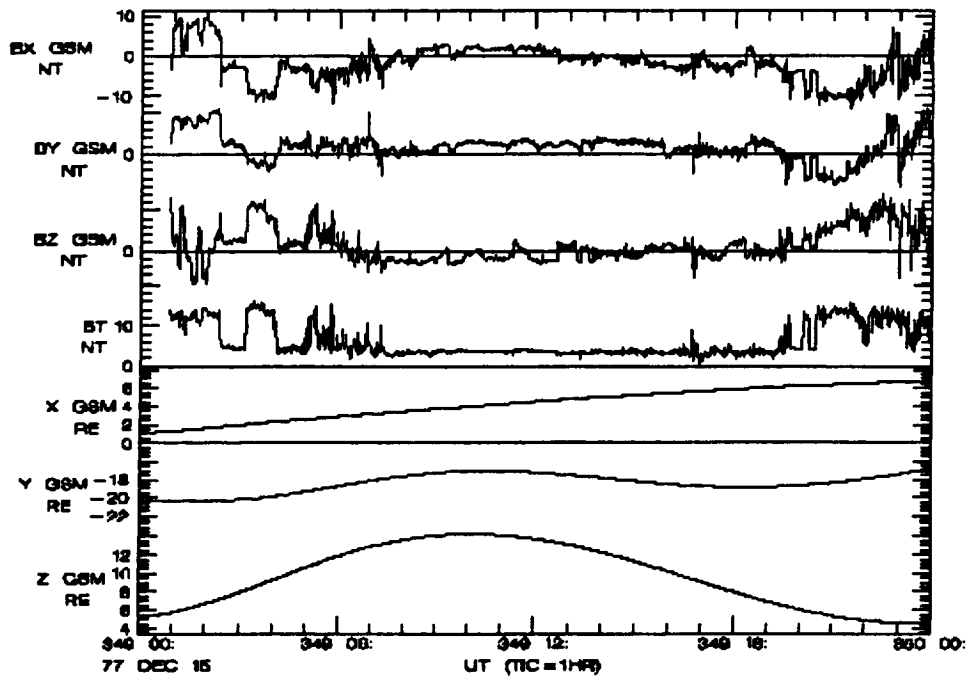
Website: [http://www-ssc.igpp.ucla.edu/cgi-bin/isee\\_master](http://www-ssc.igpp.ucla.edu/cgi-bin/isee_master)

What's New? What's Cool? Destinations Net Search People Software



Selected spacecraft is: ISEE 1  
Selected plot type is: 60 second  
Selected coordinate system is: GSM  
Selected start time is: 77 dec 15 00:00:00  
Selected stop time is: 77 dec 16 00:00:00

File: isee1.60s/isee1.60s\_0001-0060.fth



F/01



Figure 2. Data plot produced as a result of  
of a plot request.

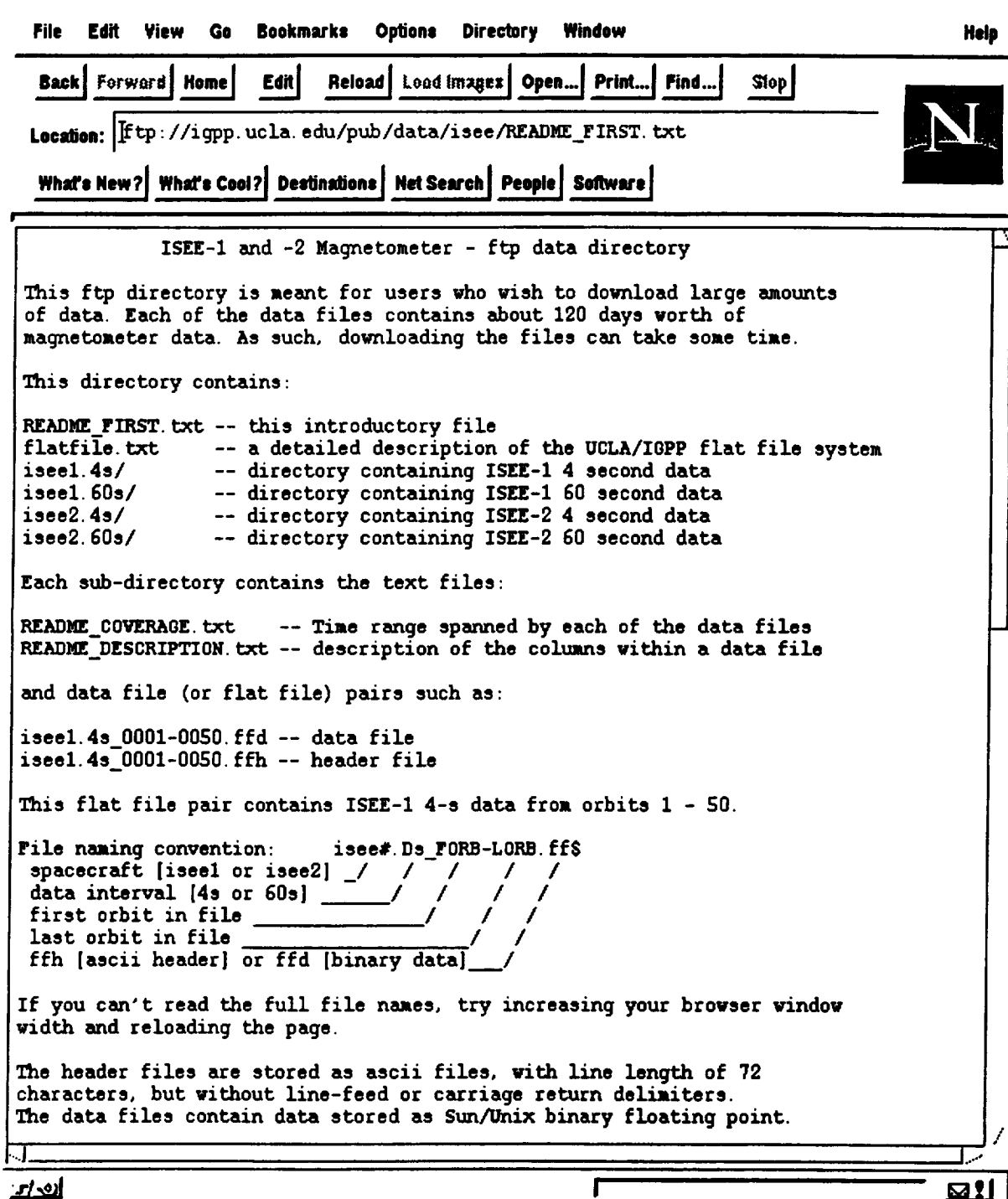


Figure 3. Beginning of the README\_FIRST.txt file, introducing the ftp server.